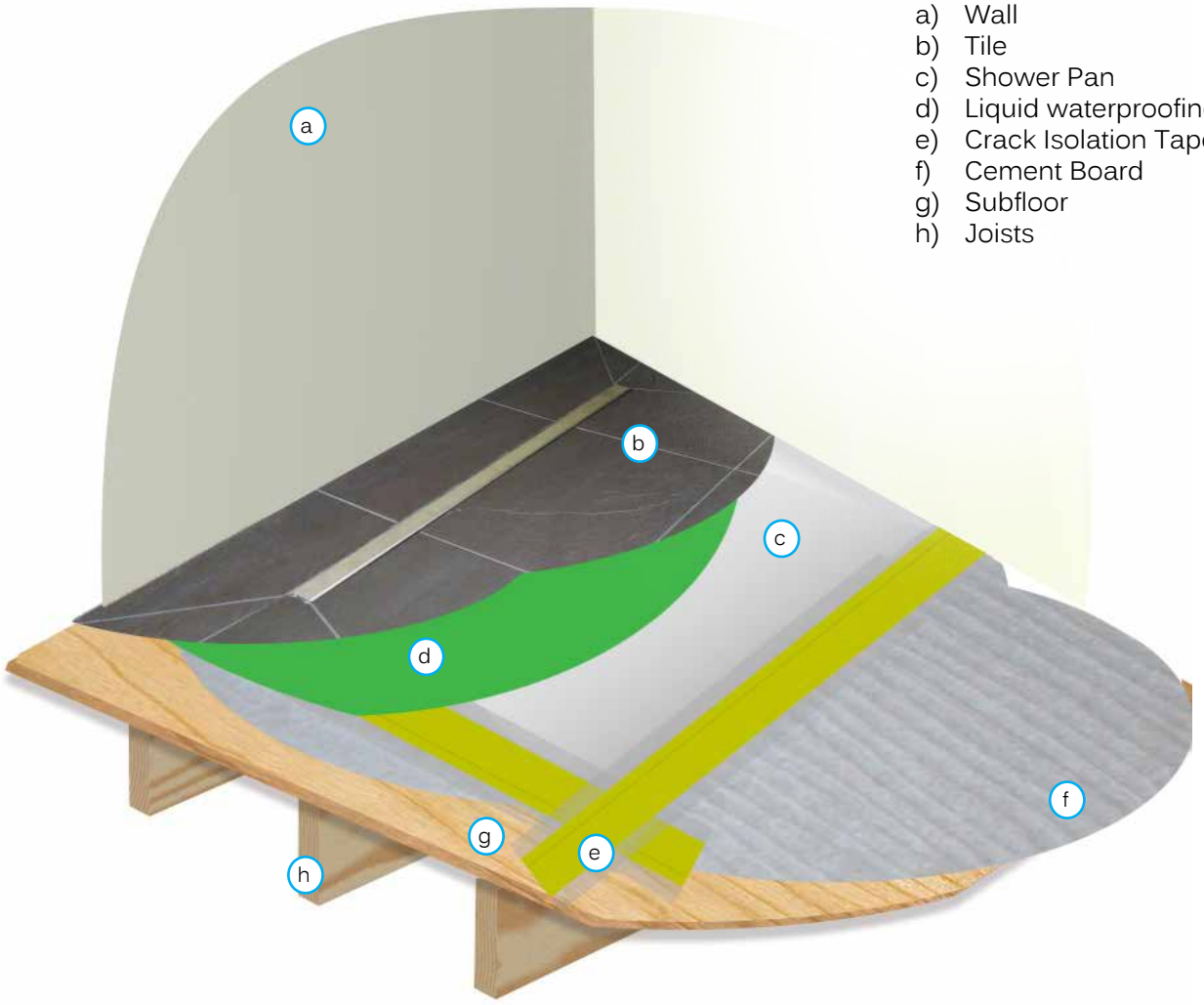
TRENDING ACCESSIBILITY



a) Wall
b) Tile
c) Shower Pan
d) Liquid waterproofing
e) Crack Isolation Tape
f) Cement Board
g) Subfloor
h) Joists

transitional & modern linear fusion shower pan on wood joists

installation guide

www.TrendingAccessibility.com
815 Hylton Road - Suite # 4
Pennsauken, New Jersey 08110
Phone: 866-829-8335 - Fax: 866-422-1084

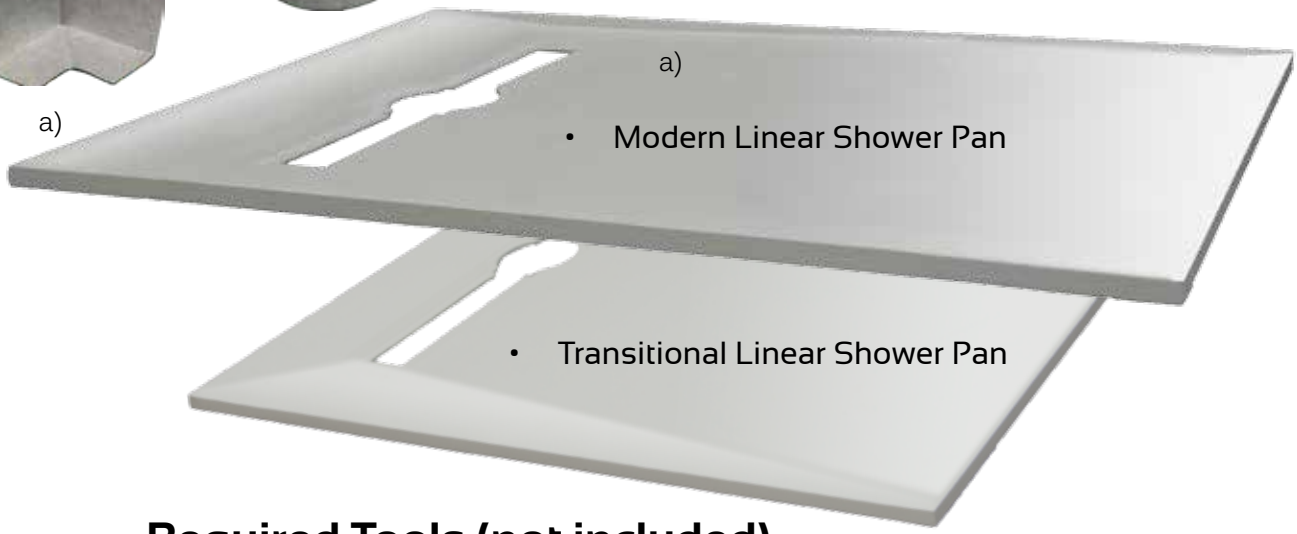
Installation Guide

for linear shower pan on wood joists

Required Components (included)

a) Linear Shower Pan
b) Linear Drain
c) Liquid Waterproofing - 2 gallon bucket (covers approx. 100 sq ft with 2 coats)
d) Roll of Rubberized Crack Isolation Tape (100 ft)
e) 2 - Inside corners of Rubberized Crack Isolation Tape
f) Gasket Membrane
   15 - 2 1/2" screws
   8 - 3/4" screws

Note: If you have a larger room and need more waterproofing supplies, please contact us before completing your order.



Required Tools (not included)

- Drill
- Jigsaw
- Level
- Square
- Caulk Gun
- Hammer
- Utility Knife or Scissors
- Tape Measure
- Paint Rollers
- Paint Brush
- Belt or Orbital Sander / Sandpaper
- Latex or Acrylic Caulk **(DAP Dynaflex 230)**
- Splash Goggles
- Chemically resistant or impermeable gloves

Installation Guide

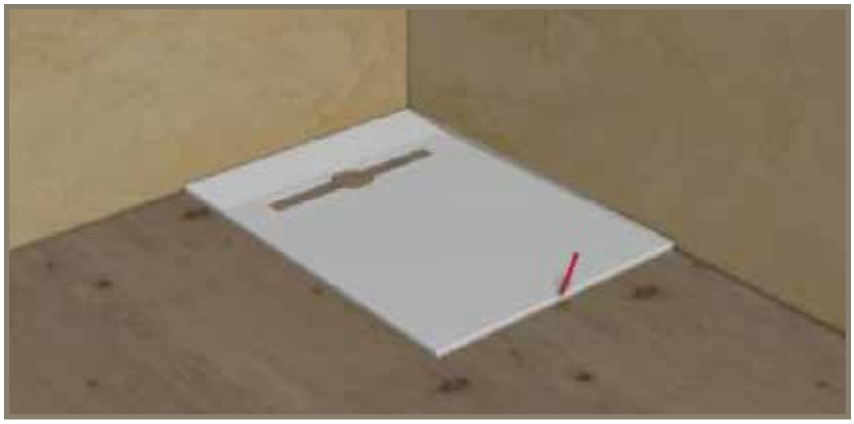
for linear shower pan on wood joists

Step 1 > > > > > > > >

For optimal performance, it is imperative there is a level surface prior to installation of new Linear Shower Pan. Check existing floor to make sure it is level. If it is not, please correct prior to installation. Place the Linear Shower pan in desired location and check to make sure it is level.

Step 2 > > > > > > > >

Once the pan is in the desired location, holding the pan steady, trace the outside perimeter of the pan.



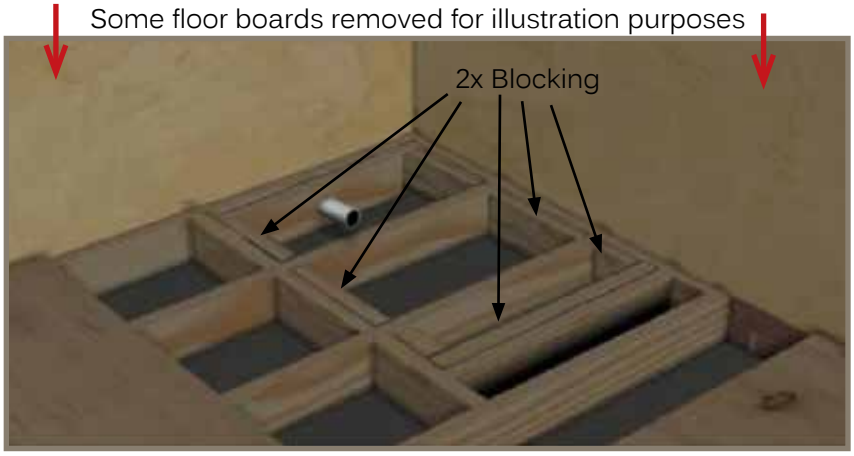
Step 3 > > > > > > > >

Using the marked plywood as a guide carefully cut along your line as accurately as possible. Make sure to adjust the depth of your saw to the thickness of the subfloor as to not cut through the joists. **Note:** If possible, please check or mark location of existing plumbing and electrical to avoid damaging them.

Step 4 > > > > > > > >

Make sure that Pan is level and fits snuggly into place. Note the location of the drain. Remove the Pan and install the waste line in accordance with current plumbing and building codes.

Install 2x stock to match existing joists, and block around the perimeter of the Fusion Pan, around the drain, and any unsupported edges of the subfloor. This will ensure full support of Fusion Pan, and existing subfloor.



TRENDING ACCESSIBILITY

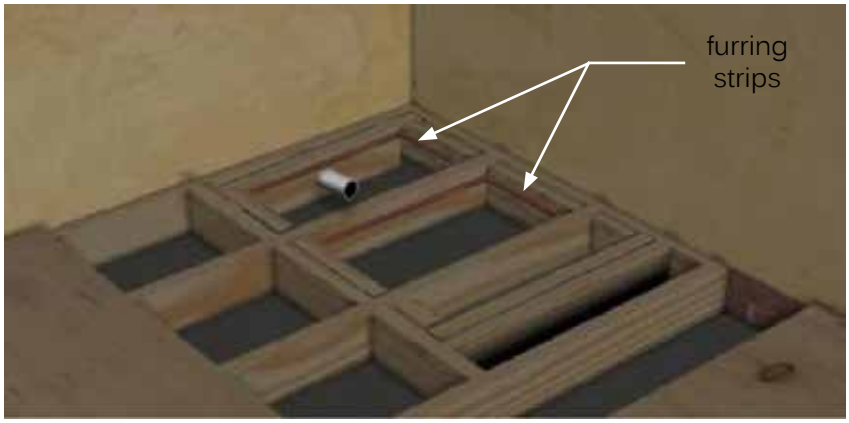
Installation Guide

for linear shower pan on wood joists

Step 5 > > > > > > > >

A plywood platform must be provided to fully support the underside of the Linear Shower Pan. This is done by first installing furring strips to the inside of the joists. Measure down 5/8" (or thickness of the plywood being used) and draw a level line. Attach the furring strips, using construction adhesive and wood screws. It is important to make sure these strips are level, and secure.

Sister Joists for TJI Joists and Open Web Joists
Use matching 2x stock and sister the framing member to the side of the existing joist, making sure to fasten to both the top and bottom flange. The framing member should be ¾" below the top flange to allow space for the underboard. With TJI joists there is the option to add more attachment points by adding a filler block between the TJI and the 2x stock.

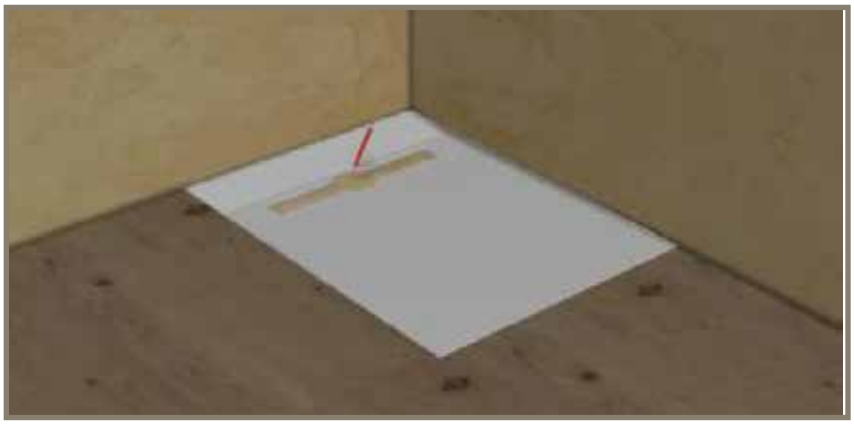


Step 6 > > > > > > > >

Cut sections of plywood that will fit between the joists. Once cut place the plywood panels back into place. Check to make sure panels are level.
Note: Do not secure yet

Step 7 > > > > > > > >

Place the Linear Shower Pan on top of the platform. Holding the Pan steady, trace the inner perimeter of the linear drain cutout. This will mark the location of the linear drain on the plywood base below, making it easier to cut out in the next step.



Step 8 > > > > > > > >

Using the marked plywood as a guide, carefully cut out the section. For ease of cutting, remove the panel from the floor location and use a jig saw. If the lines cross the joists, you may need to notch the joists. Please check your current local building codes for maximum allowable depth of notching joists. You do not want to weaken the existing structure. Place the plywood panels back into place, and attach to the nailing strips using construction adhesive and wood screws.

Installation Guide

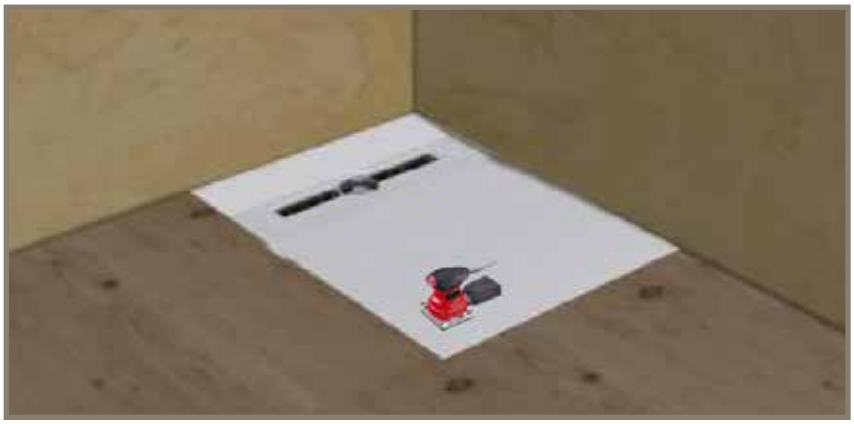
for linear shower pan on wood joists

Step 9 > > > > > > > >

Now you have a fully supported base for your Linear Shower Pan. Set the Linear Shower Pan into place. If you have been checking your level along the way, your pan should be level on all sides and flush with the floor. If for some reason you notice any rocking or flexing in the pan, you may need to shim or shave areas. At this point you want to make sure your pan is level and solid. This is important to achieve proper drainage.

Step 10 > > > > > > > >

Important: You must sand the top of your pan lightly with a palm or belt sander to roughen up the surface for proper adhesion of waterproofing.



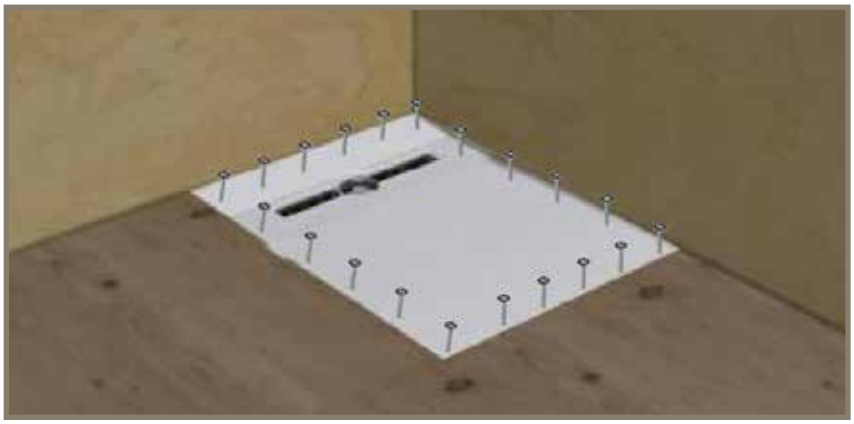
Step 11 > > > > > > > >

To prep for permanant installation, remove the linear shower pan from the surface. Apply a generous amount of construction adhesive to the joists and plywood floor surface.

Step 12 > > > > > > > >

Carefully set the Linear Shower Pan into place. You will need to drill and countersink holes in the Linear Shower Pan. Using the screws provided, screw down the pan approximately every 6" around perimeter. Do not aggressively screw and over tighten, as you may force the Linear Shower Pan out of level.

Check that the Linear Fusion Pan is level on all four sides.



Installation Guide

for linear shower pan on wood joists

Step 13 > > > > > > > >

On top of existing subfloor and walls install cement backerboard in preparation for tiling. Make sure that the top of the backerboard is roughly 1/8" higher than the Linear Fusion Pan.

Fill in any gaps around the perimeter of the pan over 1/8" with latex or acrylic caulk.

Recommended: DAP Dynaflex 230

Do not use 100% silicone.

Step 14 > > > > > > > >

Pre-drill the screw holes for the drain with a 1/8" bit.

Make your final connections to the waste line. Make sure connection is snug but do not over tighten.

Put a generous amount of latex or acrylic caulk on the pan where the drain will be placed. **Recommended: DAP Dynaflex 230**

Carefully tighten the screws and then wipe off the excess caulk.

Step 15 > > > > > > > >

You will now begin waterproofing the wet room.

BEST PRACTICE: To achieve the best results, we recommend waterproofing the whole room.

Minimum requirements, shown in these instructions, show you that you only have to waterproof the shower zone, which is 6 ½ feet high and about 2 feet outside of the showering area.

Step 16 > > > > > > > >

Begin taping the wetroom floor at the interior corners of the Linear Fusion Pan using the corner pieces of the crack isolation tape provided. Using a paint brush or trowel, slather liquid waterproofing into corner, press piece into place, then apply liquid waterproofing on top. Make sure to smooth out any creases. Repeat for additional corners.

Installation Guide

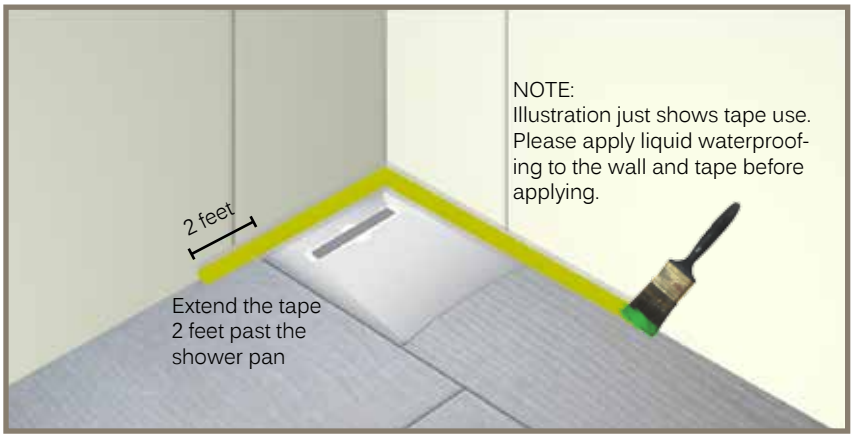
for linear shower pan on wood joists

Step 17 > > > > > > > >

Using the 5” crack isolation tape provided, cut strips of tape to length, to cover all seams (Corner seams, wall/floor seams, pan/floor joint). Put pieces aside.
If you are creating full wet room, you will need to tape any seams throughout the entire room.
If you are only waterproofing the shower zone, you will only need to tape the seams up to 2 feet outside the shower area.

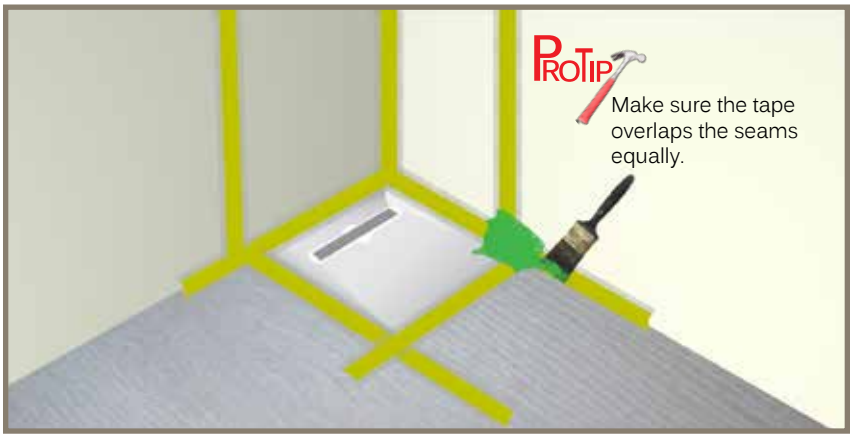
Step 18 > > > > > > > >

Just like you applied the corner pieces, use your cut strips of Crack Insulation Tape to cover all the seams. Again, trowel or paint liquid waterproofing onto seam, press tape into position and coat the top to seal. Make sure to fully cover both sides of the crack isolation tape with the liquid waterproofing product. To make this process more manageable, it is best to work in two foot sections.



Step 19 > > > > > > > >

Using the 5” crack isolation tape. Overlap all seams of cement board used on either the floors or walls. Overlap the seam where the Linear Fusion pan and cement board meet.

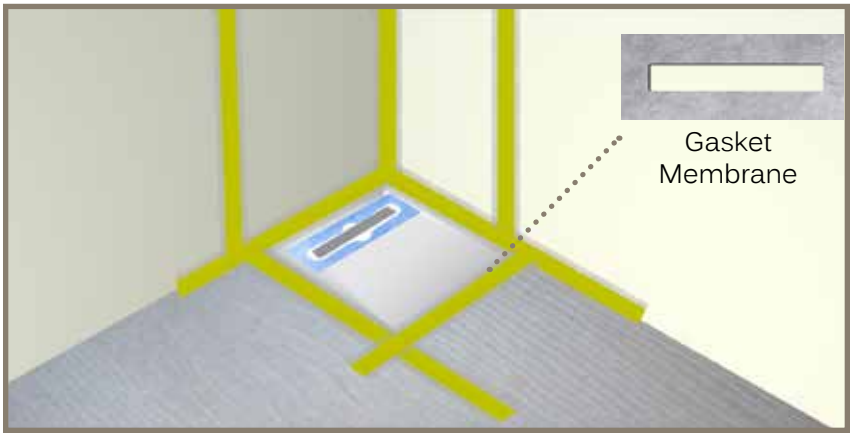


Step 20 > > > > > > > >

Important: Make sure the linear drain is free of dust and grease.

Using the provided precut piece of gasket membrane and modified latex thinset, apply thinset to the area where gasket piece will adhered to the drain area. Place over drain adapter flange, making sure to cover all screw holes, and securely press down into flange. Coat top of gasket piece with liquid waterproofing.

Install the metal tiling guides now, following the instructions in the drain box.

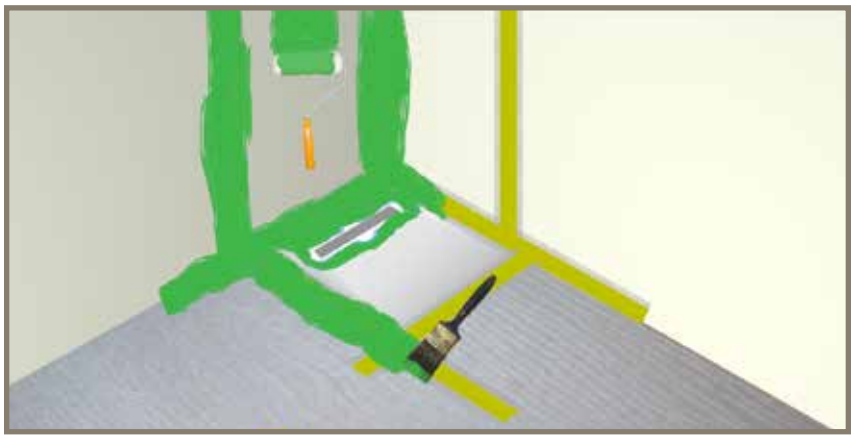


Installation Guide

for linear shower pan on wood joists

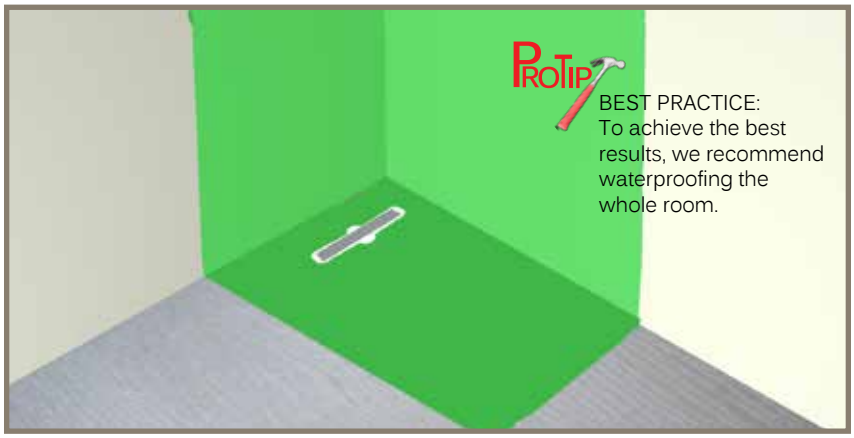
Step 21 > > > > > > > >

Begin the application of the liquid waterproofing membrane. Paint a layer of liquid waterproofing over all taped joints. It is easiest to begin with the walls first and then proceed to the floor area. For consistant application, use a paint roller to apply waterproofing to all surfaces. Allow the waterproofing to dry for about 4 hours. After first coat is dry, re-coat in the opposite direction. If you rolled up and down for the first coat, roll left to right on the second coat.



Step 22 > > > > > > > >

Apply two coats of liquid waterproofing in opposing directions to achieve 40 mils. (roughly the thickness of a credit card)



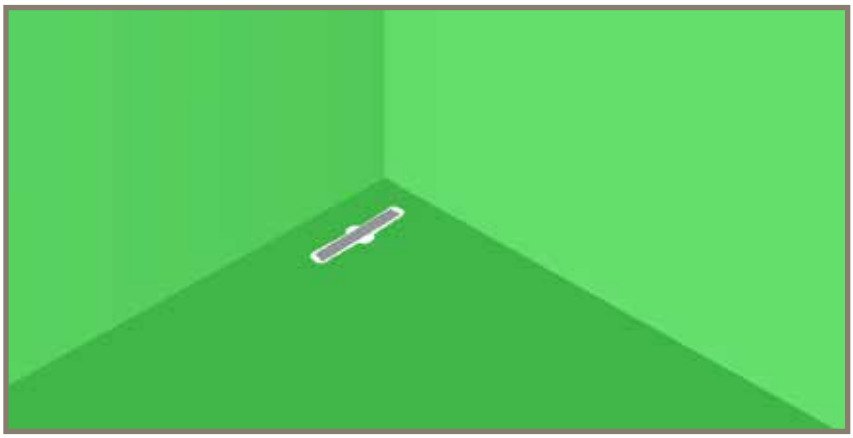
Best Practice > > > > >

To achieve the best results, we recommend waterproofing the whole room.

The waterproofing must cure for at least 12 hours before flood testing.

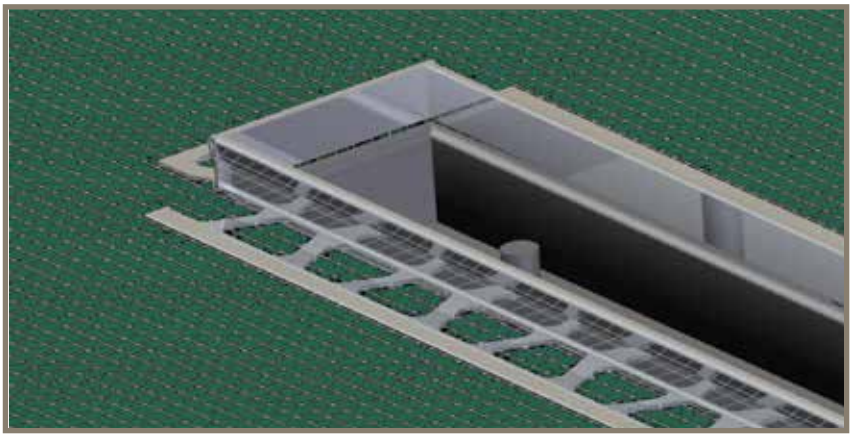
If flood testing, perform test before tiling.

Use modified thinset when placing the tile.



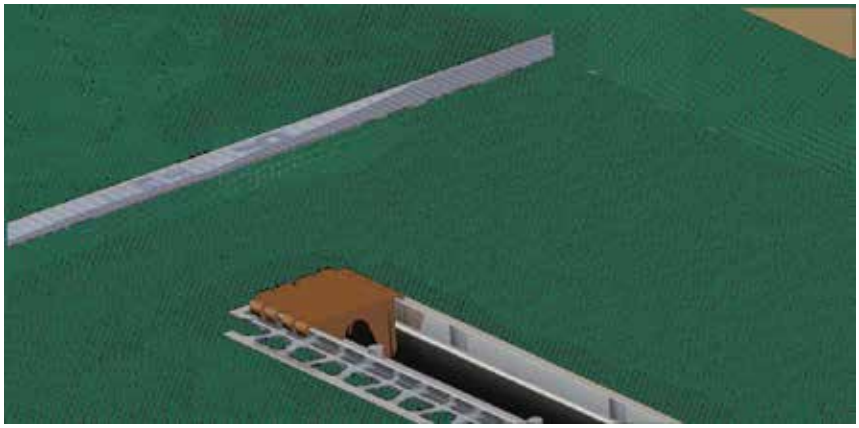
Step 23a > > > > > > > >

To use the tile edging strips, first position them around the perimeter of the drain.



Step 23b > > > > > > >

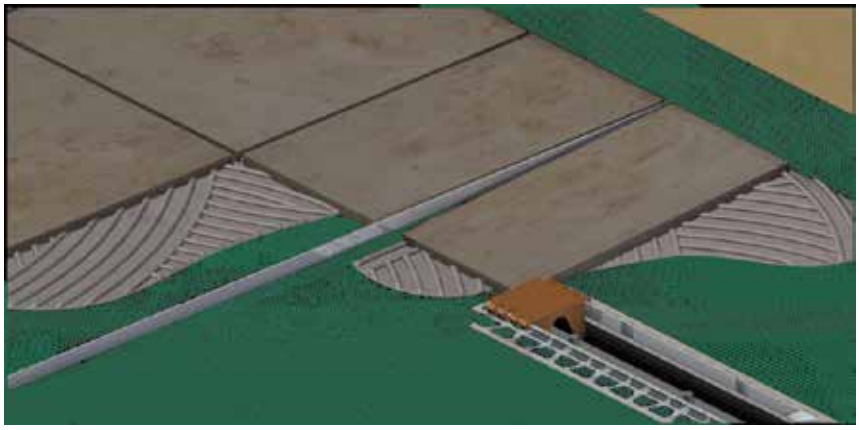
Then, lock them in place using the orange clips.



Step 23c > > > > > > >

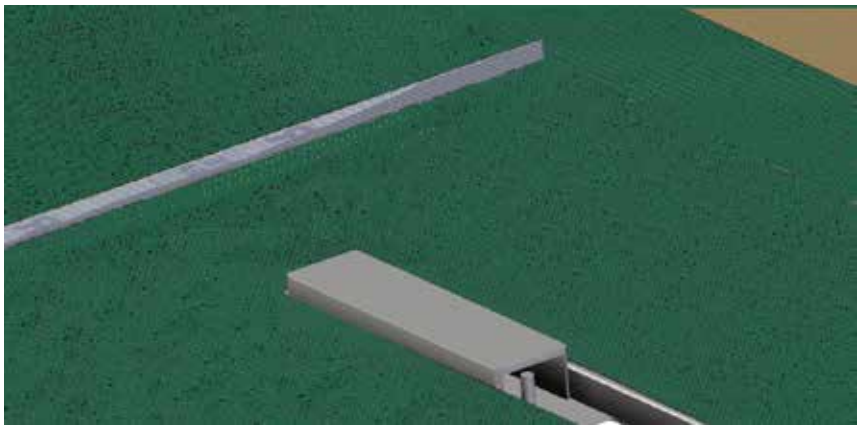
You are now ready to tile. Leave an appropriate space for grout along the edging strips.

Use modified thinset when placing the tile.



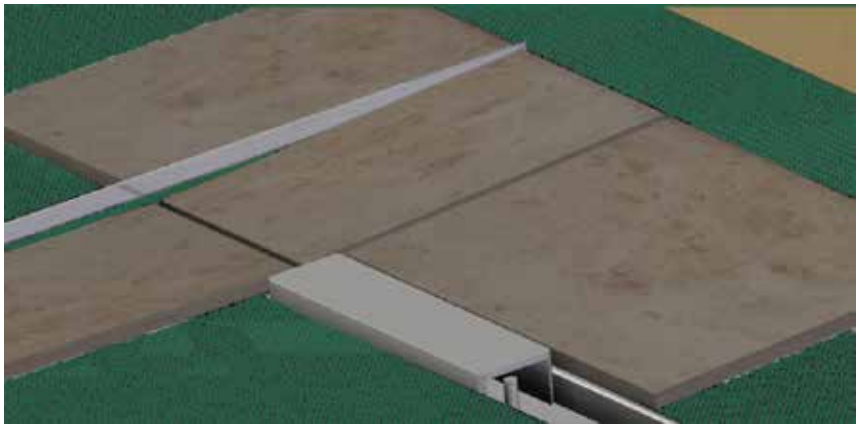
Step 24a > > > > > > >

The tile spacers should be used if the edging strips are NOT being utilized.



Step 24b > > > > > > >

Tile the floor up to the faces of the installation spacers.



Step 25 > > > > > > >

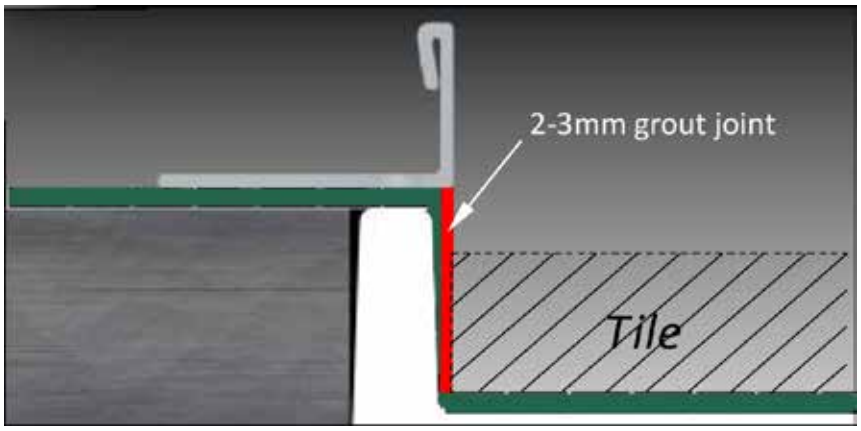
If you are using large format tiles with the 4 pitch plane pan, they must be cut diagonally and laid to follow the pitch in the Linear Fusion Pan (From the corners of the grate frame to the corners of the Linear Fusion Pan). Apply the tile adhesive, and lay the tiles in a regular pattern.

After tiling, screw the height adjusters onto the drain so that the cover is level with the tiles.

For the 2 pitch plane Modern Pan, please see the following tiling guide.

Step 26 > > > > > > >

Place the edging strip on top of the floor/pan up-stand joint, ensuring the strip overhangs slightly, allowing for a 2-3mm grout joint.



Step 27 > > > > > > >

Lay the tile, allowing for a 2-3mm grout joint next to the edging strip.

Use modified thinset when placing the tile.